



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

DUHAMEL BROADCASTING ENTERPRISES
518 SAINT JOSEPH ST
RAPID CITY SD 57701

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 17678

Call Sign: KOTA

License File Number: BL-20011026ABG

Grant Date: February 04, 2003

This license expires 3:00 a.m.
local time, April 01, 2005.

This supersedes authorization of same date to correct time zone. (JBS
2/25/03)

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	7:30 AM	4:45 PM	Jul.	4:15 AM	7:30 PM
Feb.	7:00 AM	5:15 PM	Aug.	5:00 AM	7:00 PM
Mar.	6:00 AM	6:00 PM	Sep.	5:30 AM	6:00 PM
Apr.	5:15 AM	6:30 PM	Oct.	6:00 AM	5:15 PM
May	4:30 AM	7:15 PM	Nov.	6:45 AM	4:30 PM
Jun.	4:15 AM	7:30 PM	Dec.	7:15 AM	4:15 PM

Name of Licensee: DUHAMEL BROADCASTING ENTERPRISES

Station Location: RAPID CITY, SD

Frequency (kHz): 1380

Station Class: B

Antenna Coordinates:

Day

Latitude: N 44 Deg 02 Min 00 Sec

Longitude: W 103 Deg 11 Min 15 Sec

Night

Latitude: N 44 Deg 02 Min 00 Sec

Longitude: W 103 Deg 11 Min 15 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 5.0 Night: 5.0

Antenna Input Power (kW): Day: 5.0 Night: 5.4

Antenna Mode: Day: ND Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 2.72 Night: 10.4

Resistance (ohms): Day: 675 Night: 50

Non-Directional Antenna: Day

Radiator Height: 92.4 meters; 153 deg

Theoretical Efficiency: 350.84 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1042912	

Night:

Tower No.	ASRN	Overall Height (m)
1	1042911	
2	1042912	
3	1042913	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 825.7
 Standard RMS (mV/m/km):
 Augmented RMS (mV/m/km): Night: 869.62
 Q Factor: Night:

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.8020	-143.900	100.0000	8.000	0	153.0
2	1.0000	0.000	0.0000	0.000	0	153.0
3	0.4220	134.400	100.0000	188.000	0	153.0

* Tower Reference Switch

- 0 = Spacing and orientation from reference tower
- 1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	104.0	30.0	132.00
2	139.0	40.0	272.00
3	231.0	40.0	260.00

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-119	0.64
2	0	1
3	169	0.72

Antenna Monitor: POTOMAC INSTRUMENTS AM-19 (204)

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

1 MONITOR POINT DESCRIPTIONS

104 - On Anderson, 0.48 km to the right from intersection of Anderson and Southside Drive, 6.47 km from site, max 17.4 mV/m nighttime.

188 - On north side of Spring Creek Road, 100 feet west of road sign, 1.44 km from intersection of Spring Creek Road and Highway 79, 7.68 km from site, max 31.6 mV/m nighttime.

272 - In front of house on south side of Enchantment Road, 1.4 km west from intersection of Enchantment and Dan Cherry Road, 4.47 km from site, max 28.2 mV/m daytime

*** END OF AUTHORIZATION ***